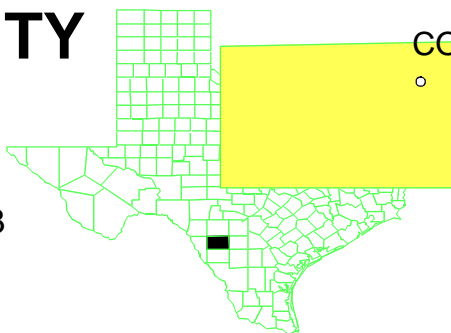


# CRYSTAL CITY AIRPORT TEXAS

EPA ID# TXD980864763



## EPA REGION 6

CONGRESSIONAL DISTRICT

23

Zavala County

Other Names:

Frank's Cropdusting Services

Updated: 03/31/00

## Site Description

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**Location:** ! Northeast side of Crystal City, east of US 83 and north of FM 582

**Population:** The approximate population of Crystal City is 8,000.

**Setting:**

- ! Nearest residence is 300 ft.
- ! Nearest drinking water well is 300 ft.
- ! Located at airport.
- ! Near local high school.
- ! Surface contamination of pesticides, herbicides, and fungicides.
- ! Site was deleted from NPL on March 23, 1995.

**Hydrogeology:**

- ! 0-200 ft. clay layer with interbedded sandstone, claystone and lignite lenses.
- ! Principal aquifer at depth of approx. 800 ft.

## Wastes and Volumes

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! The principal pollutants at the Crystal City Superfund site include arsenic compounds (1,450 ppm) and pesticides, specifically DDT (2,400 ppm) and toxaphene (1,100 ppm).

! The volume of these wastes is approximately 18,000 cubic yards of contaminated material, that is consolidated in an onsite vault.

## Site Assessment and Ranking

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### NPL LISTING HISTORY

Site HRS Score: 32.26

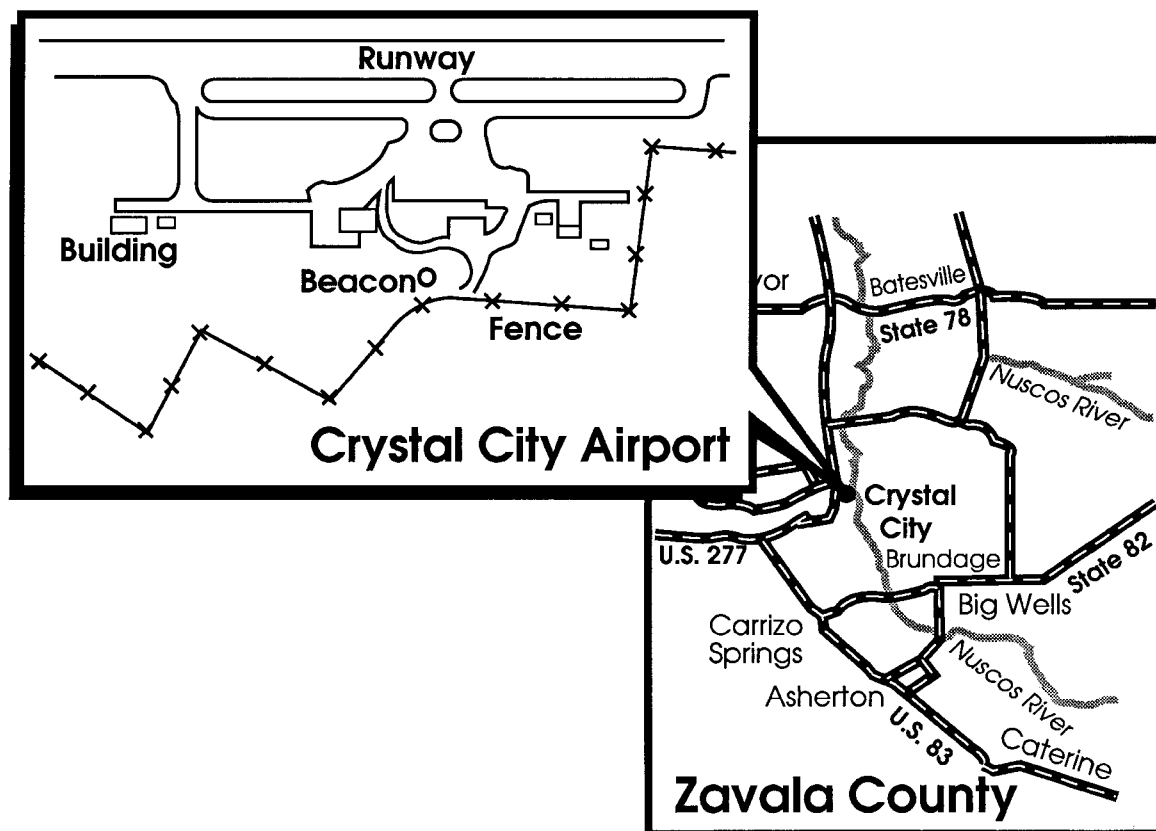
Proposed Date: 10/05/84

Final Date: 5/20/86

NPL Update: No. 2

## Site Map and Diagram

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## The Remediation Process

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### Site History:

- ! Municipal Airport used for crop dusting properties until 1982.
- ! In October - November 1983, EPA repaired a dike and pumped most of the discharged sludges back into an onsite pit.
- ! April 1984, EPA consolidated 40 cubic yards of waste and approximately 70 drums in 2 onsite disposal cells.
- ! Airport is closed to the public in 1987.
- ! June 1988, EPA repaired the fence and posted warning signs.
- ! Use of airport facilities returned to Crystal City on 7/18/90 by the Texas Water Commission (TWC), currently known as the Texas Natural Resource Conservation Commission (TNRCC), after construction activities are completed.

### Health Considerations:

- ! Elevated levels of various pesticides and arsenic exceeded the health-based cleanup criteria of 100 parts per million (PPM) total pesticides.

## Other Environmental Risks:

- ! Location of nearest drinking water well is 300 ft.
- ! No ground water contamination observed.

## Record of Decision

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Signed: September 29, 1987

### Soil Treatment:

- ! Onsite consolidation of all materials which exceed health-based criteria of 100 ppm total pesticides.
- ! Placement of RCRA cap over consolidation cell.
- ! Five year review of remedy was conducted in March 7, 1995.

<u>Other Remedies Considered</u>		<u>Reason Not Chosen</u>
1.	No Action	Exposure to hazardous waste is not reduced. Not considered as effective as consolidation and capping with a RCRA cap. Increase vol. of material due to solidification with effectiveness similar to non treatment remedies. Ineffective for metals (arsenic). Considered the least favored remedy by SARA. Unproven feasibility, implementability & reliability.
2.	Asphalt Cap	
3.	On-site Landfill with treatment	
4.	Incineration	
5.	Offsite Disposal	
6.	Fluid Extraction Unit	

### Removal Activity (Interim Remedial Measures):

- ! In October - November 1983, EPA repaired a dike and pumped most of the discharged sludges back into an onsite pit.
- ! In April 1984, EPA consolidated 40 cubic yards of waste and approximately 70 drums in 2 onsite disposal cells.
- ! June 1988, EPA repaired the fence and posted warning signs.
- ! Access for construction was denied by City on June 14, 1989; city granted access on 11/22/89, pursuant to Unilateral Administrative Order (UAO) for access signed by Regional Administrator on 11/1/89.
- ! Onsite construction activities were complete July, 1990.
- ! The Remedial Action (RA) phase was completed upon Regional approval of the closeout report on 12/27/91.

## Community Involvement

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- ! Community Involvement Plan: Developed 11/86, revised 3/91
- ! Open houses and workshops: 10/84, 11/88, 1/90, weekly open house during Remedial Action.
- ! Original Proposed Plan Fact Sheet and Public Meeting: 11/88
- ! Original ROD Fact Sheet: 7/88
- ! Milestone Fact Sheets: 2/89, 11/89, 1/90, 2/90, 3/90, 4/90, 9/90, 1/91.
- ! Citizens on site mailing list: 80
- ! Constituency Interest: High interest; Congressional sub-committee hearings on remedy, 3/88.
- ! Citizen suit filed protesting selected remedy.
- ! Suit has been dismissed but may be refiled since remedy is complete.
- ! Outreach Activities are currently the responsibility of TNRCC.

(site is in state-lead operation and maintenance phase).

! Site Repository: Crystal City Public Library, 101 East Dimmit Road, Crystal City, TX 78839

! Notice of Intent to Delete the site from the NPL was published in the Federal Register on 1/4/95; Public Comment Period ended on 2/6/95. Final deletion notice of deletion from NPL was published in Federal Register on March 23, 1995

## Technical Assistance Grant

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! Availability Notice: 3/88

! Letters of Intent Received: None

! Grant Award: N/A

! Current Status: No apparent citizen interest in grant.

## Contacts

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! **Remedial Project Manager (EPA):** Ruben Moya, 214-665-2755, Mail Code: 6SF-AP

! **State Contact:** (TNRCC) Emmanuel Ndame, 512/239-2494, Mail Code 143.

! **Community Involvement Coordinator (EPA):** Olivia Balandrán, 214-665-6584, Mail Code: 6SF-P

! **Attorney (EPA):** Paul Wendel, 214-665-2136, Mail Code: 6SF-DL

! **State Coordinator (EPA):** Karen Bond, 214-665-6682, Mail Code: 6SF-AT

! **Prime Contractor:** Qualtech, Inc. (Remedial Action)

! **Engineer:** EBASCO (Remedial Design & Remedial Action oversight)

## Present Status and Issues

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! The emergency repairs and completion of the actions called for in the cleanup remedy have eliminated the threat to nearby residents and the environment.

! The State of Texas (TNRCC) will continue to monitor the Crystal City Airport site for 30 years, with a review of the remedy's effectiveness every 5 years. The first five-year review inspection was signed 3/7/95.

! The Crystal City Airport Site was deleted from the NPL on March 25, 1995 by Federal Register notice [FRL-5176-9].

## Benefits

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! The airport has been deemed safe to use.

! Over 10,000 cubic yards of contaminated material have been effectively contained to protect human health and the environment, and return use of the Crystal City Airport to citizens and industry.